

**IN THE CLAIMS:**

Claim 17 has been amended herein. Claims 18-20 have been added. All of the pending claims 1 through 20 are presented below. This listing of claims will replace all prior versions and listings of claims in the application. Please enter these claims as amended.

**Listing of Claims:**

1. (Original) A method for treating hypoxia/ischemia (H/I) related blood flow resistance in an individual, said method comprising:

administering to the individual a suitable dose of interferon- $\beta$  or a functional part, derivative and/or analogue thereof.

2. (Original) The method according to claim 1, wherein said H/I related blood flow resistance is the result of a shortage in blood supply.

3. (Original) The method according to claim 1, wherein said H/I related blood flow resistance is restricted to a part of the body of said individual.

4. (Original) The method according to claim 2, wherein said H/I related blood flow resistance is restricted to a part of the body of said individual.

5. (Original) The method according to claim 3, wherein the part comprises the brain, the heart, a transplanted organ, and/or a limb.

6. (Original) The method according to claim 4, wherein the part comprises the brain, the heart, a transplanted organ, and/or a limb.

7. (Original) The method according to claim 4, wherein said hypoxia related blood flow resistance is restricted to a part of the brain and/or the heart.

8. (Original) The method according to claim 1, wherein said H/I related blood flow resistance is induced by an obstruction in an artery.

9. (Original) The method according to claim 2, wherein said H/I related blood flow resistance is induced by an obstruction in an artery.

10. (Original) The method according to claim 3, wherein said H/I related blood flow resistance is induced by an obstruction in an artery.

11. (Original) The method according to claim 4, wherein said H/I related blood flow resistance is induced by an obstruction in an artery.

12. (Original) The method according to claim 5, wherein said H/I related blood flow resistance is induced by an obstruction in an artery.

13. (Original) The method according to claim 6, wherein said H/I related blood flow resistance is induced by an obstruction in an artery.

14. (Original) The method according to claim 7, wherein said H/I related blood flow resistance is induced by an obstruction in an artery.

15. (Original) A method for treating an H/I related blood flow resistance in an individual, wherein the individual has at least one blood vessel obstruction causing ischaemia in tissue that is situated downstream from said obstruction, said method comprising:

administering to the individual a therapeutic dose of interferon- $\beta$  or a functional part, derivative and/or analogue thereof.

16. (Original) A method for at least in part improving blood flow in post-ischemic tissue, said method comprising:

administering to an individual, having said tissue,  $\beta$ -interferon or a functional part, derivative and/or analogue thereof.

17. (Currently Amended) A method for ~~at least in part~~ preventing cell death in post-ischemic tissue, said method comprising:

administering to an individual having said tissue,  $\beta$ -interferon or a functional part, derivative and/or analogue thereof.

18. (New) A method for treating hypoxia/ischemia (H/I) related blood flow resistance in an individual, said method comprising:

identifying H/I related blood flow resistance in the individual; and

administering to the individual a suitable dose of interferon- $\beta$  or a functional part, derivative and/or analogue thereof.

19. (New) The method of claim 18, further comprising monitoring the H/I related blood flow resistance in the individual.

20. (New) The method of claim 18, further comprising measuring the change in the H/I related blood flow resistance in the individual.